

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	18	biermaier-hans.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/13 17:24
S2	9624	((422/1) or (422/38) or (422/244) or (422/256) or (422/260) or (422/292) or (422/307) or (422/308) or (422/905) or (422/198) or (165/266) or (165/46) or (165/48.1) or (165/58) or (165/172) or (165/177) or (165/911) or (165/dig.44) or (165/dig.183) or (165/dig.342) or (165/dig.343) or (165/dig.344) or (165/dig.348) or (165/dig.355) or (165/dig.356) or (165/dig.357) or (165/dig.362) or (165/dig.454)). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/14 08:58
S3	4648062	(thermal) or (heat) or (pasturi\$) or (heating) or (sterili\$) or (disinfect\$) or (decontaminat\$) or (evaporat\$) or (cool) or (cooling)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 08:54
S4	5630747	liquid or fluid or food or milk or juice or water	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/14 09:23
S5	451628	(heat adj exchang\$) or (heat adj transfer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 08:36
S6	2702513	(spiral\$) or (winding) or (wound) or (coil) or (circular) or (circuitous) or (wrap\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 08:36
S7	20834	(counterflow) or (counter-flow) or (counter adj flow)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 08:35
S8	1540402	((thermal) or (heat) or (pasturi\$) or (heating) or (sterili\$) or (disinfect\$) or (decontaminat\$) or (evaporat\$) or (cool) or (cooling)) same (liquid or fluid or food or milk or juice or water)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/14 09:30

S9	46190	((heat adj exchang\$) or (heat adj transfer)) same ((spiral\$) or (winding) or (wound) or (coil) or (circular) or (circuitous) or (wrap\$))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/14 09:33
S10	1795	(((heat adj exchang\$) or (heat adj transfer)) same ((spiral\$) or (winding) or (wound) or (coil) or (circular) or (circuitous) or (wrap\$))) and ((counterflow) or (counter-flow) or (counter adj flow))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 08:33
S11	1658	(((heat adj exchang\$) or (heat adj transfer)) same ((spiral\$) or (winding) or (wound) or (coil) or (circular) or (circuitous) or (wrap\$))) and ((counterflow) or (counter-flow) or (counter adj flow))) and (((thermal) or (heat) or (pasturi\$) or (heating) or (sterili\$) or (disinfect\$) or (decontaminat\$) or (evaporat\$) or (cool) or (cooling)) same (liquid or fluid or food or milk or juice or water))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/11 14:25
S12	69	((((heat adj exchang\$) or (heat adj transfer)) same ((spiral\$) or (winding) or (wound) or (coil) or (circular) or (circuitous) or (wrap\$))) and ((counterflow) or (counter-flow) or (counter adj flow))) and (((thermal) or (heat) or (pasturi\$) or (heating) or (sterili\$) or (disinfect\$) or (decontaminat\$) or (evaporat\$) or (cool) or (cooling)) same (liquid or fluid or food or milk or juice or water))) and (((422/1) or (422/38) or (422/244) or (422/256) or (422/260) or (422/292) or (422/307) or (422/308) or (422/905) or (422/198) or (165/266) or (165/46) or (165/48.1) or (165/58) or (165/172) or (165/177) or (165/911) or (165/dig.44) or (165/dig.183) or (165/dig.342) or (165/dig.343) or (165/dig.344) or (165/dig.348) or (165/dig.355) or (165/dig.356) or (165/dig.357) or (165/dig.362) or (165/dig.454)). CCLS.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/14 09:33
S13	107688	check adj valve	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 08:24

S14	6	(check adj valve) and (((((heat adj exchang\$) or (heat adj transfer)) same ((spiral\$) or (winding) or (wound) or (coil) or (circular) or (circuitous) or (wrap\$))) and ((counterflow) or (counter-flow) or (counter adj flow))) and (((thermal) or (heat) or (pasturi\$) or (heating) or (sterili\$) or (disinfect\$) or (decontaminat\$) or (evaporat\$) or (cool) or (cooling)) same (liquid or fluid or food or milk or juice or water))) and (((422/1) or (422/38) or (422/244) or (422/256) or (422/260) or (422/292) or (422/307) or (422/308) or (422/905) or (422/198) or (165/266) or (165/46) or (165/48. 1) or (165/58) or (165/172) or (165/177) or (165/911) or (165/dig. 44) or (165/dig.183) or (165/dig. 342) or (165/dig.343) or (165/dig. 344) or (165/dig.348) or (165/dig. 355) or (165/dig.356) or (165/dig. 357) or (165/dig.362) or (165/dig. 454)).CCLS.))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/14 13:01
S15	1563324	plastic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/14 13:16

S16	19	plastic and (((((heat adj exchang\$) or (heat adj transfer)) same ((spiral\$) or (winding) or (wound) or (coil) or (circular) or (circuitous) or (wrap\$))) and ((counterflow) or (counter-flow) or (counter adj flow))) and (((thermal) or (heat) or (pasturi\$) or (heating) or (sterili\$) or (disinfect\$) or (decontaminat\$) or (evaporat\$) or (cool) or (cooling)) same (liquid or fluid or food or milk or juice or water))) and (((422/1) or (422/38) or (422/244) or (422/256) or (422/260) or (422/292) or (422/307) or (422/308) or (422/905) or (422/198) or (165/266) or (165/46) or (165/48.1) or (165/58) or (165/172) or (165/177) or (165/911) or (165/dig.44) or (165/dig.183) or (165/dig.342) or (165/dig.343) or (165/dig.344) or (165/dig.348) or (165/dig.355) or (165/dig.356) or (165/dig.357) or (165/dig.362) or (165/dig.454)). CCLS.))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/14 13:16
S17	2511926	((spiral\$) or (winding) or (wound) or (coil) or (circular) or (circuitous))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/14 13:27
S18	4133542	(pipe) or (conduit) or (piping) or (tube) or (tubing) or (flow adj passage) or (pathway) or (channel)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/14 13:28
S19	35948	((spiral\$) or (winding) or (wound) or (coil) or (circular) or (circuitous)) adj ((pipe) or (conduit) or (piping) or (tube) or (tubing) or (flow adj passage) or (pathway) or (channel))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/14 13:30
S20	260556	heat adj exchanger	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/14 13:30
S21	1362	(((spiral\$) or (winding) or (wound) or (coil) or (circular) or (circuitous)) adj ((pipe) or (conduit) or (piping) or (tube) or (tubing) or (flow adj passage) or (pathway) or (channel))) with (heat adj exchanger)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/14 13:31

S22	32	((((spiral\$) or (winding) or (wound) or (coil) or (circular) or (circuitous)) adj ((pipe) or (conduit) or (piping) or (tube) or (tubing) or (flow adj passage) or (pathway) or (channel))) with (heat adj exchanger)) same ((counterflow) or (counter-flow) or (counter adj flow))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/14 13:31
S23	27	(((((spiral\$) or (winding) or (wound) or (coil) or (circular) or (circuitous)) adj ((pipe) or (conduit) or (piping) or (tube) or (tubing) or (flow adj passage) or (pathway) or (channel))) with (heat adj exchanger)) same ((counterflow) or (counter-flow) or (counter adj flow))) and (liquid or fluid or food or milk or juice or water)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/11 14:09
S24	13082	((422/1) or (422/38) or (422/244) or (422/256) or (422/260) or (422/292) or (422/307) or (422/308) or (422/905) or (422/198) or (165/266) or (165/46) or (165/48.1) or (165/58) or (165/172) or (165/177) or (165/911) or (165/dig.44) or (165/dig.183) or (165/dig.342) or (165/dig.343) or (165/dig.344) or (165/dig.348) or (165/dig.355) or (165/dig.356) or (165/dig.357) or (165/dig.362) or (165/dig.454)). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/11 13:23
S25	589606	purif\$	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/11 13:24
S26	4796173	liquid or water	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/11 13:24
S27	267743	heat adj exchanger	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/11 13:25
S28	255990	spiral	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/11 13:25

S29	110472	check adj valve	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/11 13:25
S30	684804	elastic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/11 13:25
S31	2344850	film	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/11 13:26
S32	192949	S25 with S26	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/11 13:27
S33	9561	S27 and S28	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/11 13:27
S34	559	S33 and S29	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/11 13:27
S35	94	S34 and S30	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/11 13:27
S36	22	S35 and S31	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/11 13:27
S40	4133	S32 and S28	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/11 13:31
S41	22	S40 and S24	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/11 13:31

S42	6310953	(thermal) or (heat) or (pasturi\$) or (heating) or (sterili\$) or (disinfect\$) or (decontaminat\$) or (evaporat\$) or (cool) or (cooling) or (treat\$) or (purif\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/11 13:35
S43	1102283	S42 with water	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/11 13:39
S44	95767	S43 and S27	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/11 13:44
S45	4520	S44 and S28	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/11 13:44
S46	81219	("422"/\$).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/11 13:44
S47	256	S45 and S46	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/11 13:44
S48	21332	(counterflow) or (counter-flow) or (counter adj flow)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/11 14:06
S49	23489	(water adj purification)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/11 14:06
S50	921	S49 and S27	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/11 14:06
S51	141	S50 and S28	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/11 14:06

S52	12	S51 and S29	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/11 14:07
S53	27	((((spiral\$) or (winding) or (wound) or (coil) or (circular) or (circuitous)) adj ((pipe) or (conduit) or (piping) or (tube) or (tubing) or (flow adj passage) or (pathway) or (channel))) with (heat adj exchanger)) same ((counterflow) or (counter-flow) or (counter adj flow))) and (liquid or fluid or food or milk or juice or water)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/11 14:10
S55	1719	(((heat adj exchang\$) or (heat adj transfer)) same ((spiral\$) or (winding) or (wound) or (coil) or (circular) or (circuitous) or (wrap\$))) and ((counterflow) or (counter-flow) or (counter adj flow))) and (((thermal) or (heat) or (pasturi\$) or (heating) or (sterili\$) or (disinfect\$) or (decontaminat\$) or (evaporat\$) or (cool) or (cooling)) same (liquid or fluid or food or milk or juice or water))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/11 14:26
S56	139	S55 and S29	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 07:47
S60	110493	check adj valve	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 07:47
S61	1719	(((heat adj exchang\$) or (heat adj transfer)) same ((spiral\$) or (winding) or (wound) or (coil) or (circular) or (circuitous) or (wrap\$))) and ((counterflow) or (counter-flow) or (counter adj flow))) and (((thermal) or (heat) or (pasturi\$) or (heating) or (sterili\$) or (disinfect\$) or (decontaminat\$) or (evaporat\$) or (cool) or (cooling)) same (liquid or fluid or food or milk or juice or water))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 07:47
S62	139	S61 and S60	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 07:47

S63	129710	(check adj valve) or (check adj valves) or (one adj way adj valve) or (one adj way adj valves) or (nonreturn adj valve) or (nonreturn adj valves)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 08:32
S64	1859	((heat adj exchang\$) or (heat adj transfer)) same ((spiral\$) or (winding) or (wound) or (coil) or (circular) or (circuitous) or (wrap\$)) and ((counterflow) or (counter-flow) or (counter adj flow))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 08:33
S66	21335	(counterflow) or (counter-flow) or (counter adj flow)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 08:35
S67	2782713	(spiral\$) or (winding) or (wound) or (coil) or (circular) or (circuitous) or (wrap\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 08:44
S68	464737	(heat adj exchang\$) or (heat adj transfer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 08:45
S69	6561	S66 and S67	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 08:36
S70	3183	S69 and S68	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 08:36
S71	269	S70 and S63	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 08:36
S73	1165591	(spiral\$) or (coil)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 08:44
S74	3767	S66 and S73	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 08:44

S75	336733	(heat adj exchang\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 09:46
S76	1921	S74 and S75	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 08:45
S77	200	S76 and S63	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 08:45
S78	110936	("210"/\$).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 08:46
S81	549	spiral adj S75	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 08:54
S82	4783064	(thermal) or (heat) or (pasturi\$) or (heating) or (sterili\$) or (disinfect\$) or (decontaminat\$) or (evaporat\$) or (cool) or (cooling)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 08:55
S83	3261434	water	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 08:55
S84	1458134	S82 and S83	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 08:57
S85	234	S84 and S81	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 08:57

S86	13082	((422/1) or (422/38) or (422/244) or (422/256) or (422/260) or (422/292) or (422/307) or (422/308) or (422/905) or (422/198) or (165/266) or (165/46) or (165/48.1) or (165/58) or (165/172) or (165/177) or (165/911) or (165/dig.44) or (165/dig.183) or (165/dig.342) or (165/dig.343) or (165/dig.344) or (165/dig.348) or (165/dig.355) or (165/dig.356) or (165/dig.357) or (165/dig.362) or (165/dig.454)). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/14 08:58
S87	7	S85 and S86	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 08:58
S89	1481383	valve	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 09:17
S91	14	S85 and S63	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 09:19
S92	2	("4411310").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/14 09:43
S95	984	(heat adj exchang\$) with elastic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 09:46
S96	17	S95 and S86	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/14 09:47